

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau



10/520979



(43) International Publication Date
22 January 2004 (22.01.2004)

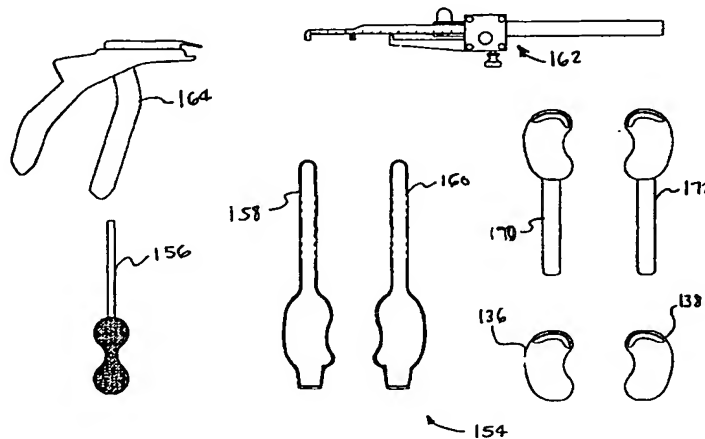
PCT

(10) International Publication Number
WO 2004/006811 A2

- (51) International Patent Classification⁷: A61F 2/46, A61B 17/16
- (21) International Application Number: PCT/US2003/021513
- (22) International Filing Date: 10 July 2003 (10.07.2003)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:
60/395,301 11 July 2002 (11.07.2002) US
pct/us02/40883 19 December 2002 (19.12.2002) US
pct/us03/02142 22 January 2003 (22.01.2003) US
- (63) Related by continuation (CON) or continuation-in-part (CIP) to earlier applications:
US pct/us02/40883 (CIP)
Filed on 19 December 2002 (19.12.2002)
US 60/395,301 (CIP)
Filed on 11 July 2002 (11.07.2002)
US pct/us03/02142 (CIP)
Filed on 11 January 2003 (11.01.2003)
- (71) Applicant (for all designated States except US): ADVANCED BIO SURFACES, INC. [US/US]; 5909 Baker Road, Suite 550, Minnetonka, MN 55345 (US).
- (72) Inventors; and
(75) Inventors/Applicants (for US only): FELT, Jeffrey, C. [US/US]; 4800 Lodge Lane, Greenwood, MN 55331 (US). RYDELL, Mark, A. [US/US]; 516 Turnpike Road, Golden Valley, MN 55416 (US). GRIFFIN, David [US/US]; 979 37th Place, Vero Beach, FL 32960 (US). BUSCEMI, Paul, J. [US/US]; 2310 Tamarack Drive, Long Lake, MN 55356 (US). ARSENYEV, Alexander [RU/US]; 1845 Turquoise Trail, Eagan, MN 55122 (US).
- (74) Agents: GOLDMAN, Phillip, M. et al.; Fredrikson & Byron, P.A., 4000 Pillsbury Center, 200 South Sixth Street, Minneapolis, MN 55402 (US).
- (81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

[Continued on next page]

(54) Title: METHOD AND KIT FOR INTERPOSITIONAL ARTHROPLASTY



(57) Abstract: A method and system for the creation or modification of the wear surface of orthopedic joints, involving the preparation and use of one or more partially or fully preformed components adapted for insertion and placement into the body and at the joint site. The system includes a method and related components and/or devices in the form of a kit that can be used to provide or perform some or all of the steps of: a) preparing a joint to receive an implant, b) determining an appropriate implant size for a particular joint, c) determining an appropriate implant thickness, d) inserting the implant into the joint, and/or e) securing the implant within the joint to a desired extent. One or more of the various components and devices, including optionally one or more implants themselves, can be provided or packaged separately or in varying desired combinations and subcombinations to provide a kit of this invention. In turn, a kit can include, or be used in combination with, one or more corresponding devices or components that will already exist in the surgical suite, and that can optionally be sterilized for re-use in subsequent procedures. The selection and use of components, devices and/or implants within a kit of this invention is facilitated by the coordination of various features in the manner described, including appearance, size and configuration.

WO 2004/006811 A2